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QUARTERLY EMAIL BLAST

OFFICIAL NEWSLETTER OF THE IEEE AEROSPACE AND
ELECTRONIC SYSTEMS SOCIETY - Q1 2024

FROM THE EDITORS

Dear AESS Members,

We're excited to start the new year with the first edition of our 2024 newsletter! Packed with fascinating insights and exciting highlights, this edition is sure to get your attention.

Here are some of the noteworthy articles you can look forward to:

- Story behind the success: Read about the inspiring journey of David Luong, winner of the Robert T. Hill Best Dissertation Award, and gain valuable insights into his path to success.
- History Column - "Ring Angels": Explore the radar phenomenon known as "Ring Angels" in our history column.
- IEEE 11th Tunisian Student and Young Professionals Congress: the 11th TSYF congress comprised educational and technical programs and networking opportunities, making it a must-attend event for students and young professionals from Tunisia.
- IEEE YP Rising Stars Conference 2024 in Las Vegas: IEEE YP started the new year with the Rising Stars Conference in Las Vegas with more than 500 attendees.

These are just a few highlights from our edition. Explore also the rest and - as always - your feedback is invaluable to us. Feel free to reach out with your thoughts and suggestions for future editions.

Wishing you all a fantastic start to 2024!

Best regards,


Upcoming Events

[Fundamentals of Inertial Aiding - Michael Braasch](#)

 Wednesday, 17 April - 11:00 AM ET/3:00 PM UTC


[Abstract](#) | [Register](#)

[Inertial Navigation Computation: History, Present and Beyond - Yuanxin Wu](#)

 Tuesday, 21 May - 11:00 AM ET/3:00 PM UTC


[Abstract](#) | [Register](#)

[Cognitive EW: Assuring In-Mission Learning for EW - Karen Haigh](#)

 Tuesday, 23 April - 11:00 AM ET/3:00 PM UTC

[Abstract](#) | [Register](#)

[Ultra Wideband Surveillance Radar - Mark E. Davis](#)

 Tuesday, 28 May 28 - 11:00 AM ET/3:00 PM UTC

[Abstract](#) | [Register](#)

Features

Story Behind
the Success

2023 IEEE AESS Robert T. Hill Best Dissertation Award

The Robert Hill Award to recognizes candidates that have recently received a Ph.D. degree and have written an outstanding Ph.D. dissertation in the Field of Interest of the Aerospace and Electronic Systems Society.

Hear from this year's recipient, David Luong, and learn about his journey from classical music to working on quantum radar!

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the
HISTORY
column

In the years following WW2, as radars became larger and more sensitive, echoes were occasionally observed which did not appear to correspond with targets or clutter. These became known as 'angels'. Several people attempted to find explanations for these, and in some cases they were found to be due to weather phenomena, in other cases they were ascribed to birds.

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AESS Travels to Region 9

AESS members, professionals, and students met at the San Antonio Abad University of Cusco in Peru. The DSTEI Aerospace projects that had been developed by Peru and Colombia based on the application of drones and Artificial Intelligence were reviewed by AESS Past President Mark Davis, VP Member Services Lorenzo Lo Monte, and Board of Governors Member and Distinguished Lecturer Stefano Coraluppi.

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VIRTUAL DISTINGUISHED LECTURE SERIES

2024 Virtual Distinguished Lecture Series

Register today for one of the 29 remaining Virtual Distinguished Lecture webinars in 2024.

Registration is free but required. The webinars will be recorded and made available after the event on the [IEEE Learning Network](#).

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[2024 Scholarship Winners Announced](#)

Three students were selected for the 2024 AESS Engineering Scholarships. Nominations for 2025 are now open.



[2024 Rising Stars Conference](#)

AESS Undergrad Student Rep Abir Tabarki and YP Rep Philipp Markiton attended the 2024 Rising Stars Conference



[Meet the Team: AESS Panel Chair Interviews](#)

Hear from the Radar Systems Panel Chair Laura Anitori.



[2023 IEEE Tunisian Students and Young Professionals Congress](#)

A tech and engineering congress in Tunisia, under the theme "Silicon Valley", organized by the IEEE Tunisia Section.

CHAPTER NEWS

IEEE Lone Star Section Joint Chapter

The chapter is jointly sponsored by the Systems, Man, and Cybernetics Society (SMC), AESS, and Systems Council (SYSC). They have been busy hosting events such as the Joint Chapter Hosted [Deep Continual Learning: Past, Present, and Future](#) talk, drone competitions at DASC, St. Mary's University, and University of Texas at San Antonio, and Distinguished Lecturers Dr. Karen Haigh and Dr. Vijay Mishra.

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Joint Chapter IEEE AP/MTT/AES, Poland Section

Sponsored jointly with AESS, Microwave Theory and Technology Society, and Antennas and Propagation Society, this chapter organized several talks with AESS Past President Mark Davis and Signal Processing Symposium (SPSymposium) in Karpacz, Poland in 2023. Participation is encouraged in the upcoming Microwave & Radar Week 2024 in Wrocław, Poland on 1-4 July 2024.

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Welcome New AESS Chapters

AESS has 148 chapters around the world including 74 Student Branch Chapters.

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👏 AESS welcomes its newest chapters:

- Rashtreeya Vidyalaya College of Engineering
- Gujarat Section
- SJB Institute of Technology
- Acharya Institute of Technology
- Motilal Nehru National Institute of Tech

IEEE Transactions on Aerospace and Electronic Systems (TAES)

IEEE Transactions on Aerospace and Electronic Systems (TAES) focuses on the organization, design, development, integration, and operation of complex systems for space, air, ocean, or ground environment. These systems include, but are not limited to, navigation, avionics, spacecraft, aerospace power, radar, sonar, telemetry, defense, transportation, automated testing, and command and control.

 Congratulations to the following Associate Editors for their recognition of 2023 TAES Outstanding Associate Editor:

Yuri Shtessel
Zhenbo Wang
Shobha S. Ram
Efsthathios Bakolas
Andrea L'afflitto
Kumar Vijay Mishra
Justin Metcalf
Debora Pastina
Taeyoung Lee
Hasan Mir

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IEEE Aerospace and Electronic Systems Magazine (MAES)

Call for Associate Editors

The AES Magazine is looking to add Associate Editors, particularly in the area of Space. Please contact the [AES Magazine EiC](#) if interested.

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AESS Co-Sponsored Publications

IEEE Transactions on Radar Systems

T-RS is accepting paper submissions for the upcoming special section - Special Section on Artificial Intelligence Approaches for Radar Processing and Applications. **Submissions due 15 July 2024.**

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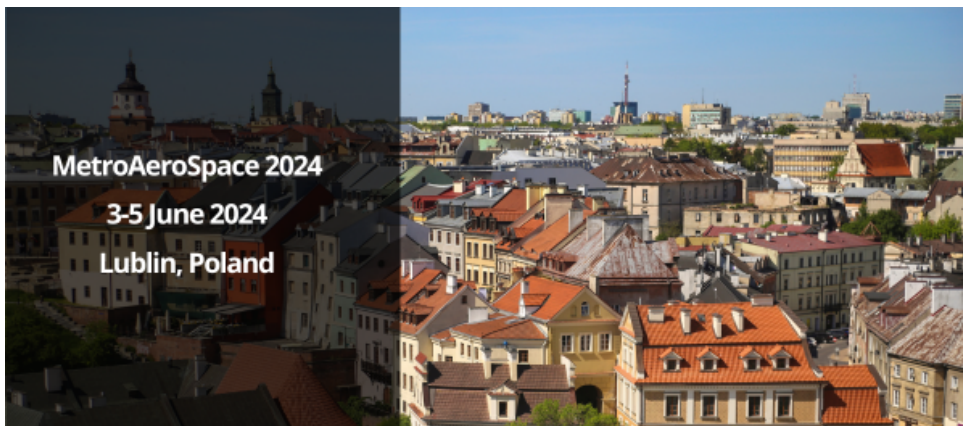
AEISS financially and technically sponsors and co-sponsors conferences addressing important aspects of our Field of Interest. Refer to the conference website for the most recent information.



[RadarConf'24](#)

Experience the IEEE Radar Conference in 2024 amidst Denver's cultural offerings, outdoor activities, and stunning Rocky Mountain backdrop. Registration is now open.

[Read More](#)



[MetroAeroSpace 2024](#)

This 11th edition will keep pursuing the state of the art and practice started over the past years with a focus on new technology for metrology-assisted production in aerospace industry, aircraft component measurement, sensors and associated signal conditioning for aerospace, and calibration methods for electronic test and measurement for aerospace.

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